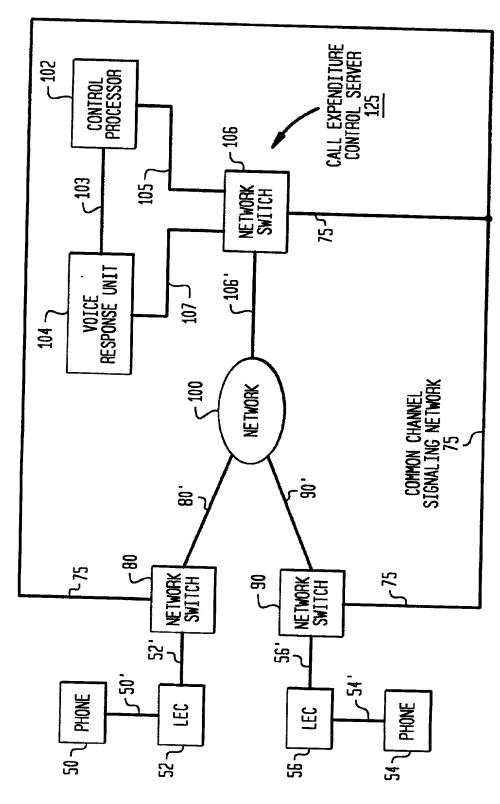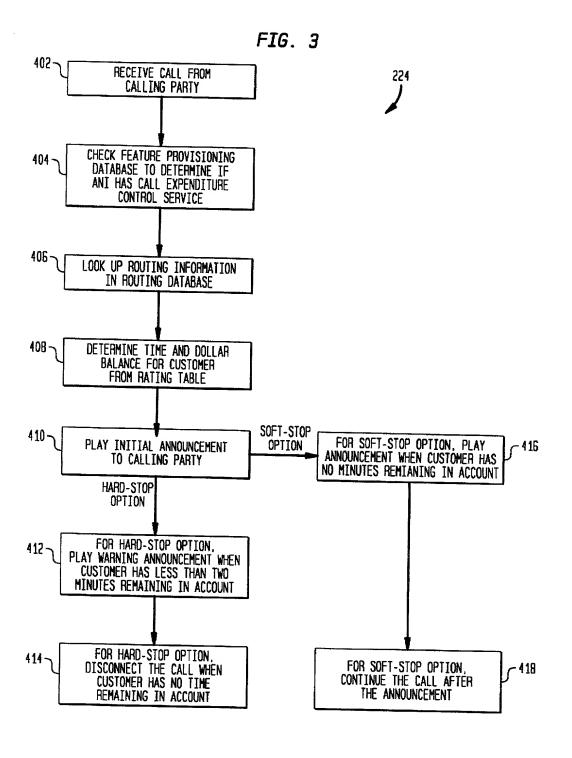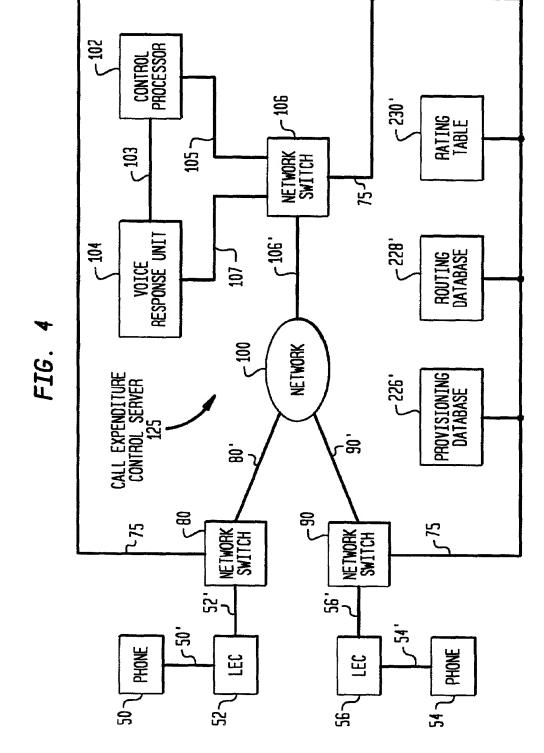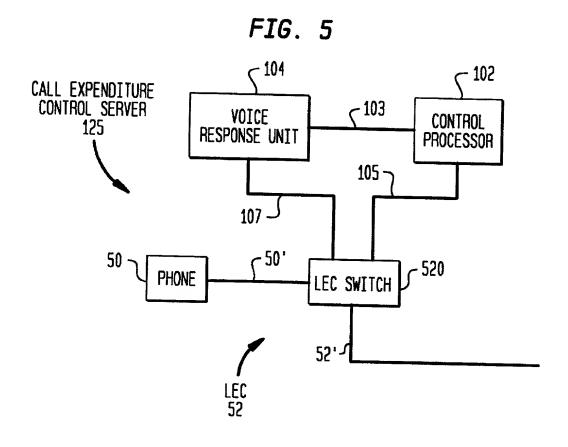*FIG. 1*

FIG. 2

CONTROL PROCESSOR
102

MEMORY 202

CALL EXPENDITURE CONTROL PROGRAM 224

RATING TABLE (TIME AND DOLLAR BALANCE) 230

ANNOUNCEMENT DATABASE 232

VOICE RESPONSE UNIT CONTROL PROGRAM 222

NETWORK SWITCH CONTROL PROGRAM 220

BUS 204

206

208

210

212

| DISK DRIVE STORAGE | I/O ADAPTER | I/O ADAPTER | PROCESSOR |

103'

105

FIG. 3

402 — RECEIVE CALL FROM CALLING PARTY

404 — CHECK FEATURE PROVISIONING DATABASE TO DETERMINE IF ANI HAS CALL EXPENDITURE CONTROL SERVICE

406 — LOOK UP ROUTING INFORMATION IN ROUTING DATABASE

408 — DETERMINE TIME AND DOLLAR BALANCE FOR CUSTOMER FROM RATING TABLE

410 — PLAY INITIAL ANNOUNCEMENT TO CALLING PARTY

SOFT-STOP OPTION

416 — FOR SOFT-STOP OPTION, PLAY ANNOUNCEMENT WHEN CUSTOMER HAS NO MINUTES REMIANING IN ACCOUNT

HARD-STOP OPTION

412 — FOR HARD-STOP OPTION, PLAY WARNING ANNOUNCEMENT WHEN CUSTOMER HAS LESS THAN TWO MINUTES REMAINING IN ACCOUNT

414 — FOR HARD-STOP OPTION, DISCONNECT THE CALL WHEN CUSTOMER HAS NO TIME REMAINING IN ACCOUNT

418 — FOR SOFT-STOP OPTION, CONTINUE THE CALL AFTER THE ANNOUNCEMENT

224

FIG. 4

CALL EXPENDITURE
CONTROL SERVER
125

CONTROL
PROCESSOR
102

VOICE
RESPONSE UNIT
104

103

105

107

NETWORK
SWITCH
106

75

106'

NETWORK
100

80'

90'

NETWORK
SWITCH
80

NETWORK
SWITCH
90

52'

56'

50'

54'

PHONE
50

LEC
52

LEC
56

PHONE
54

75

75

PROVISIONING
DATABASE
226'

ROUTING
DATABASE
228'

RATING
TABLE
230'

FIG. 5

CALL EXPENDITURE
CONTROL SERVER
125

VOICE
RESPONSE UNIT
— 104

CONTROL
PROCESSOR
— 102

— 103

105

107

50
PHONE

50'

LEC SWITCH
520

52'

LEC
52

FIG. 6